

### **Abstract**

The invention relates to a method for the combustion of a fuel using an oxygenated gas, in which a jet of fuel and at least two jets of oxygen-rich oxygenated gas are injected. According to the invention, the first jet of oxygen-rich oxygenated gas, known as the primary jet, is injected such as to be in contact with the jet of fuel and to produce a first incomplete combustion, the gases produced by said first combustion comprising at least one part of the fuel, and the second jet of oxygen-rich oxygenated gas is injected at a distance I1 from the jet of fuel such as to combust with a first part of the fuel present in the gases produced by the first combustion. Moreover, a low-oxygen oxygenated gas is injected at a distance I2 from the jet of fuel such as to combust with a second part of the fuel present in the gases produced by the first combustion, I2 being greater than I1. The invention also relates to the burner used to carry out the method and to the use of said method for the heating of a glass filler or for a reheating furnace.